

XTM 5 Series De-manufacturing Instructions

Document Number: 480-2535-001

1.0 Purpose

This instruction defines the de-manufacturing process for the recovery of this product family as it pertains to recycling of the major product components.

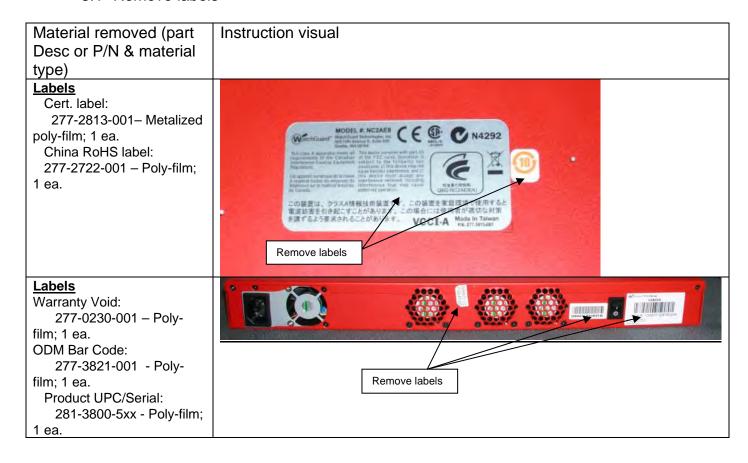
2.0 Scope

This instruction applies to the following product family and family part numbers.

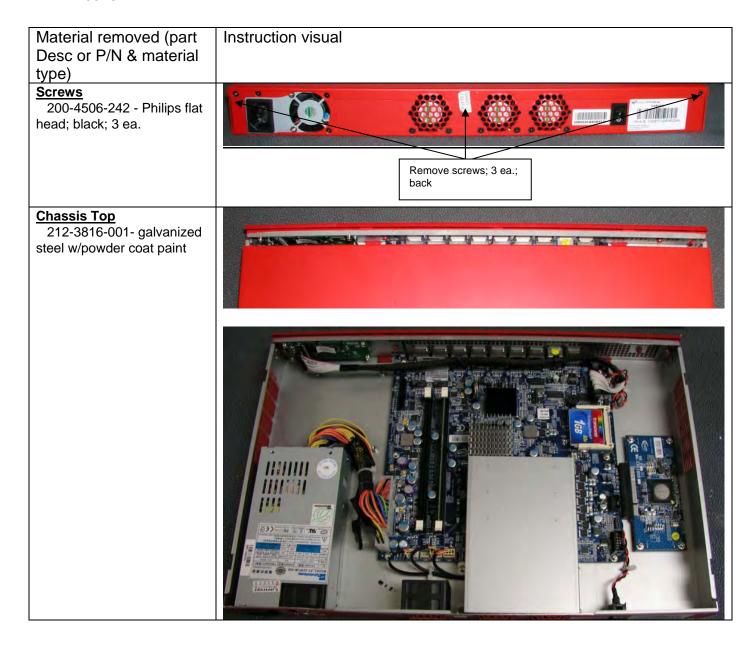
This mediation applies to the following product family and family part numbers:				
Product Family Name	Family part #'s (not necessarily inclusive)			
XTM 5 series	XTM 505, XTM 510, XTM 520, XTM 530; all revisions			

3.0 Instruction

3.1 -Remove labels



3.2 –Remove back screws holding chassis top to chassis bottom and remove top cover.



3.3 –Depress memory tabs and remove memory.

Material removed (part Desc or P/N & material type)	Instruction visual
Memory Module 114-3626-001 – 1GB DDR2 Memory Module, 1 ea.	S ON 3 WE LAND IT NOW SEED TO SEED THE
	S OV BY OBST BM S OF S O

3.4 – Unplug power supply cables from motherboard, cut all cable ties, remove power supply screws, and remove power supply.

Material removed (part Desc or P/N & material type)

Instruction visual

Power Supply

140-3822-001 – Power supply, universal, 220W; 1 ea.

Screws

203-7306-002 – screws, pan head; 2 ea.



3.5 – Remove screws from the power supply.

Material removed (P/N & material type)

Power Supply

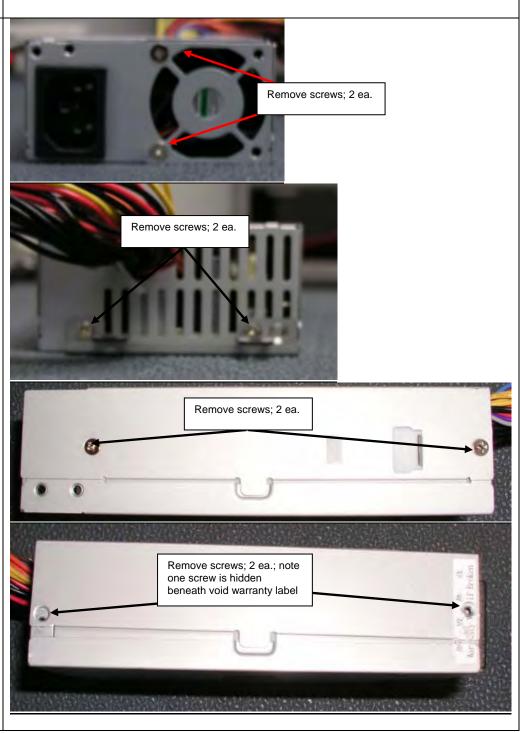
140-3822-001 – Power supply, universal, 220W; 1 ea.

<u>Screws</u>

Part of power supply, no WG part number— Philips flat-head; Steel/zinc; 1 ea.

Bracket

212-3637-001; power supply bracket; 1 ea.



3.6 –Remove the top from the power supply, remove the cable tie and screw inside the power supply, and remove fan from the power supply.

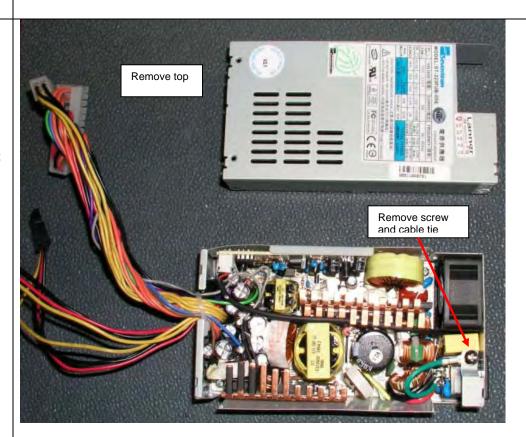
Material removed (P/N & material type)

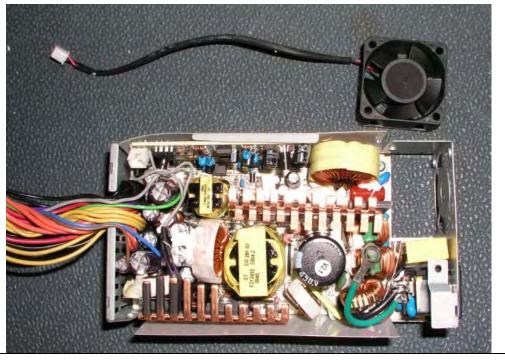
Power Supply

140-3822-001 – Power supply, universal, 220W; 1 ea.

Screws

Part of power supply, no WatchGuard part number – Philips pan-head; Steel/zinc; 1 ea.





3.7 – Remove labeling from the top lid and the bottom of the power supply.

Material removed (P/N Instruction visual & material type) **Power Supply** 140-3822-001 – Power supply, universal, 220W; 1 ea.

3.8 – Disengage heatsink clamps and remove heatsink from motherboard.

Material removed (P/N & material type)	Instruction visual
Heatsink 52-3170-001 - heatsink, 42 x 42 x 30 mm; 1 ea.	Disengage 2010311303145

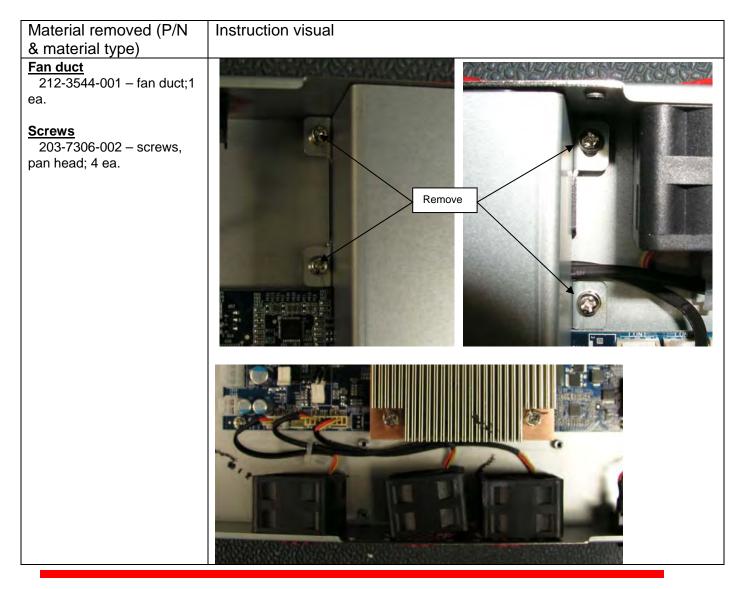
3.9 - Pull back clamp and remove battery.

Material removed (P/N	Instruction visual
& material type)	
Battery 412-2468-001 – battery, CR2032; 1 ea	Remove

3.10 - Remove fan screws from back of chassis.

Material removed (P/N & material type) Screws 200-4506-242 – screws, black, 12 ea. Chassis bottom 212-3817-001 – bottom, chassis, red; 1 ea

3.11- Remove screws from fan duct and remove fan duct.



3.12 - Cut cable ties for fans, unplug fans from motherboard, and remove fans.

Material removed (P/N & material type)

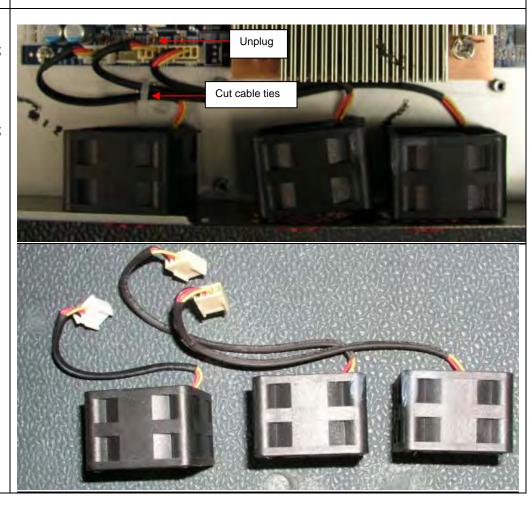
Instruction visual

Chassis Fan

145-3599-015 – Fan, chassis, 12V, w/15 cm cable; 1 ea.

Chassis Fan

145-3599-010 – Fan, chassis, 12V, w/10 cm cable; 1 ea.

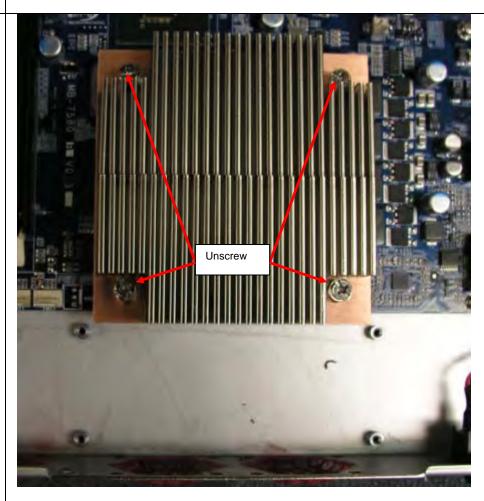


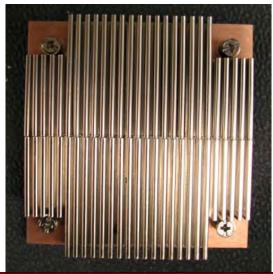
3.13 – Unscrew screws from heatsink and remove heatsink from motherboard. Note that screws cannot be removed from the heatsink itself.

Material removed (P/N & material type)

Heatsink

152-3139-001 – Heatsink, CPU, alum, with screws and springs, 1 ea.





3.14 - Unlatch CPU from motherboard and remove CPU.

Material removed (P/N Instruction visual & material type) **CPU** 113-3552-001 – CPU, Celeron 440, 2.0GHz, 1 ea. Unlatch

3.15 – Unplug LCD cable from LCD circuit board and motherboard. Unplug rocker switch cable from motherboard. Remove LCM cable.

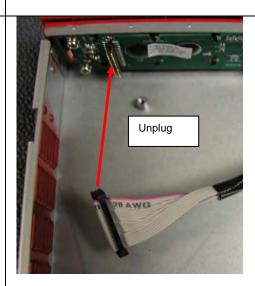
Material removed (P/N & material type)

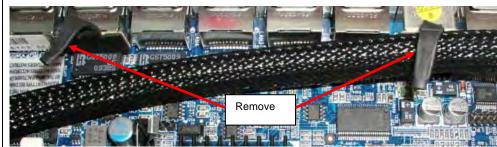
LCD cable assembly

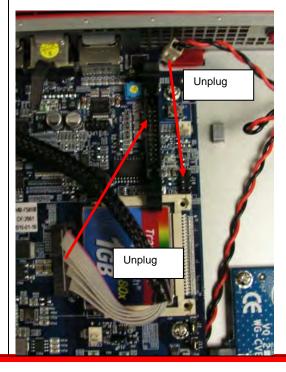
148-3691-002 – LCD cable assembly, 24 pin to 24 pin; 1 ea.

Power switch assembly

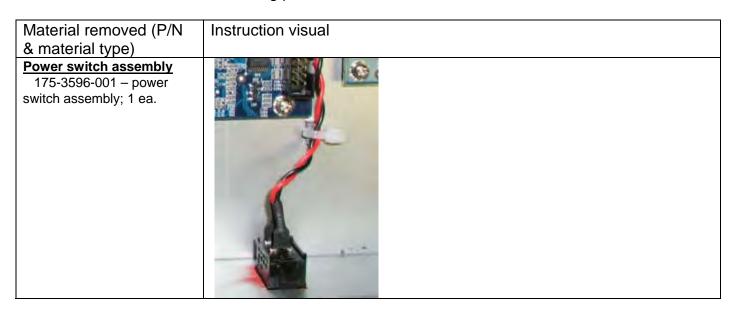
175-3596-001 – power switch assembly; 1 ea.



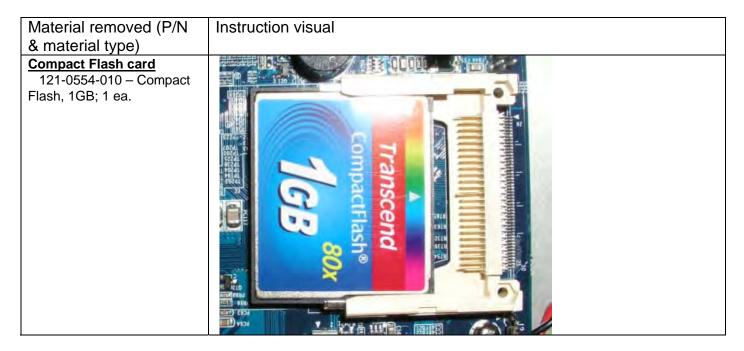




3.16 - Cut cable tie attaching power switch cable to chassis.



3.17 – Slide the compact flash card out of the slot and remove.



3.18 – Remove screws attaching the motherboard to the chassis and the Cavium card to the chassis.

Material removed (P/N & material type)

Instruction visual

Screws

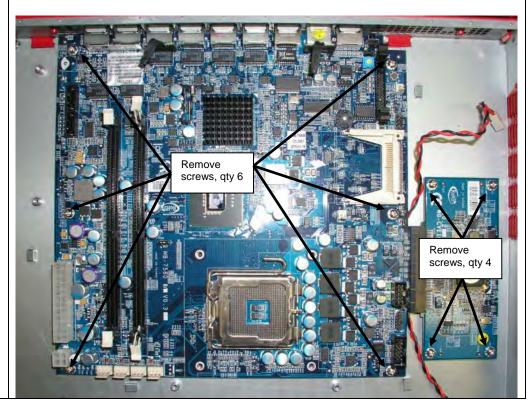
203-7306-002 – screws, pan head; 10 ea.

Motherboard

299-3810-002 – PCBA, motherboard, 1 ea.

Cavium card

299-3805-605 – PCBA, Cavium card, CN 1605; 1 ea.



3.19 – Unplug the Ethernet ports on the motherboard from the chassis and unplug the Cavium card from the motherboard. Remove the motherboard and the Cavium card.

Material removed (P/N & material type)

Instruction visual

Motherboard

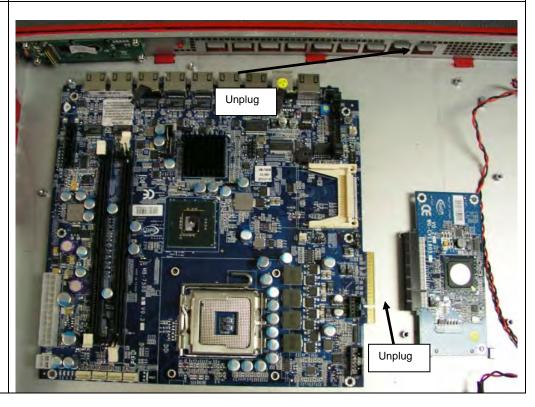
299-3810-002 – PCBA, motherboard, 1 ea.

Cavium card

299-3805-605 - PCBA, Cavium card, CN 1605; 1 ea.

Chassis bottom

212-3817-001 – bottom, chassis, red; 1 ea



3.20 – Remove screws attaching the LCM display to the chassis. Remove the LCM display.

Material removed (P/N & material type)

Motherboard

700-3015-001 – LCM display and LCD interface; 1 ea.

Chassis bottom

212-3817-001 – bottom, chassis, red; 1 ea

Screws

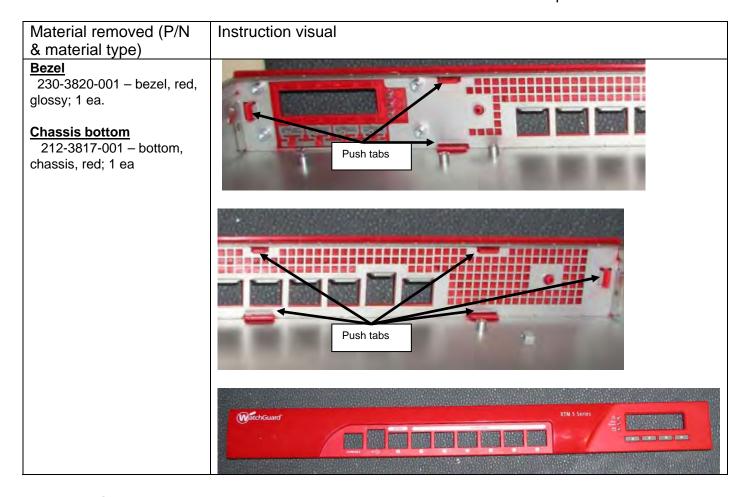
203-7306-002 – screws, pan head; 4 ea.



3.21 – Use a flat-head screwdriver to disengage the power switch assembly from the chassis. Remove the power switch assembly.

Material removed (P/N & material type)	Instruction visual
Power switch assembly 175-3596-001 – power switch assembly; 1 ea.	The state of the s
Chassis bottom 212-3817-001 – bottom, chassis, red; 1 ea	

3.22 – Push tabs on the inside of the bezel to disengage from the chassis. Remove the bezel. A flat-head screwdriver can be useful in this step.



4.0 Applicable Documents

5.0 Revision History

REV. NO.	REV. DATE	REVISED SECTION	REASON	ECO#
A	6/10/10	New document	Initial Release	1790